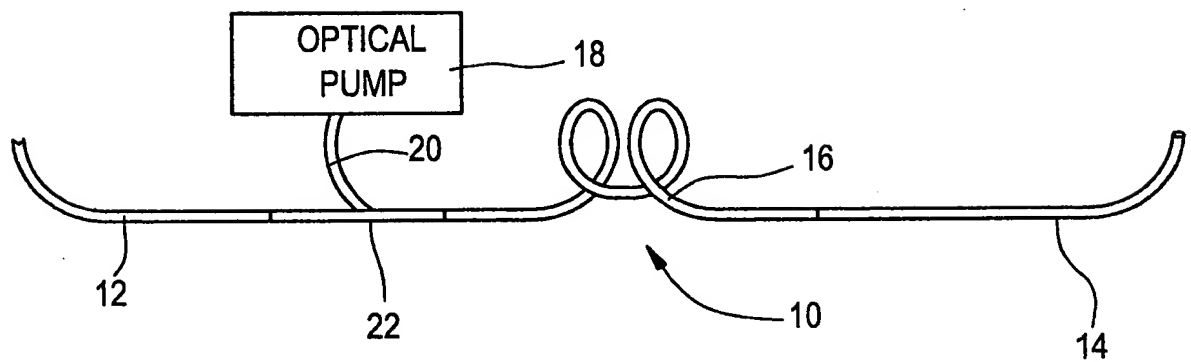


FIG. 1
PRIOR ART



26

UHS : 2

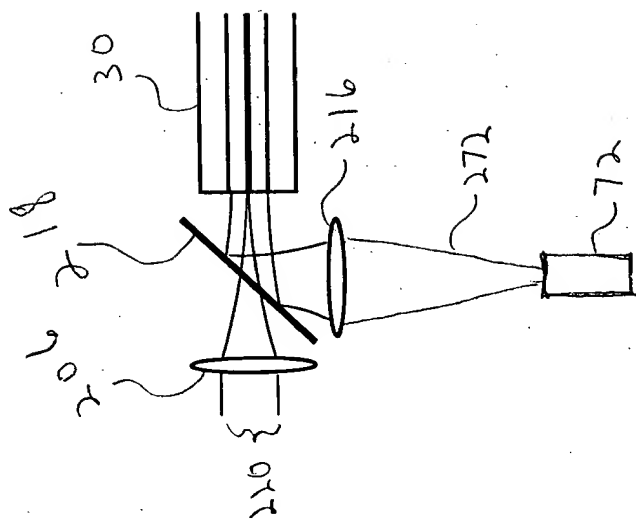


FIG. 3

FIG. 4 is a schematic diagram of a system for measuring the refractive index of a material.

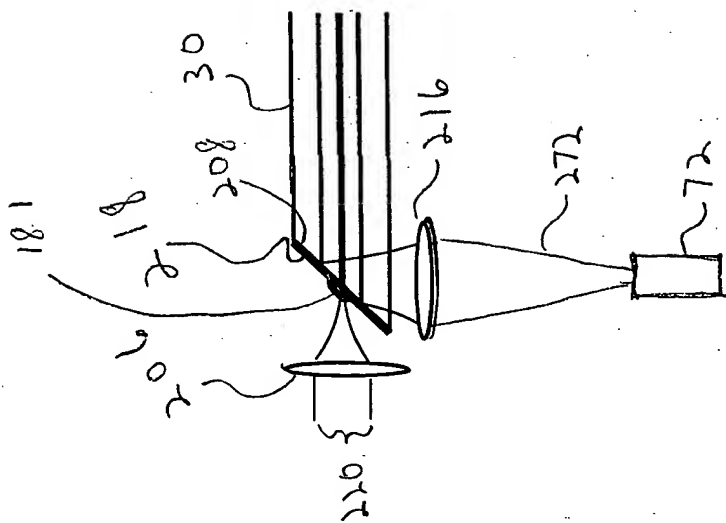


FIG. 4

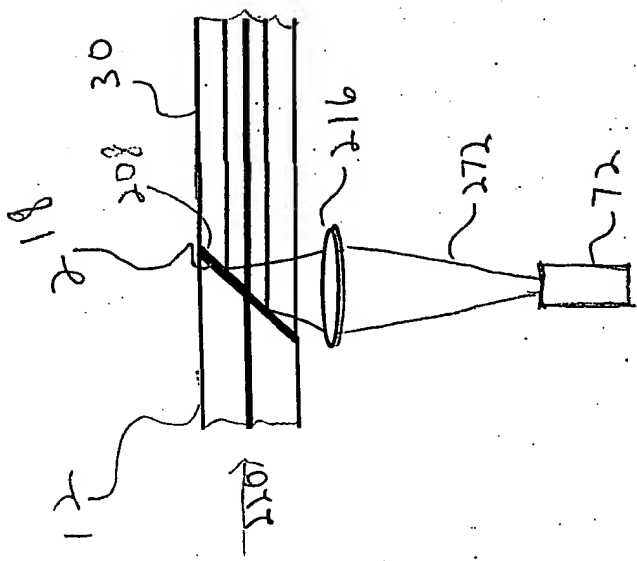
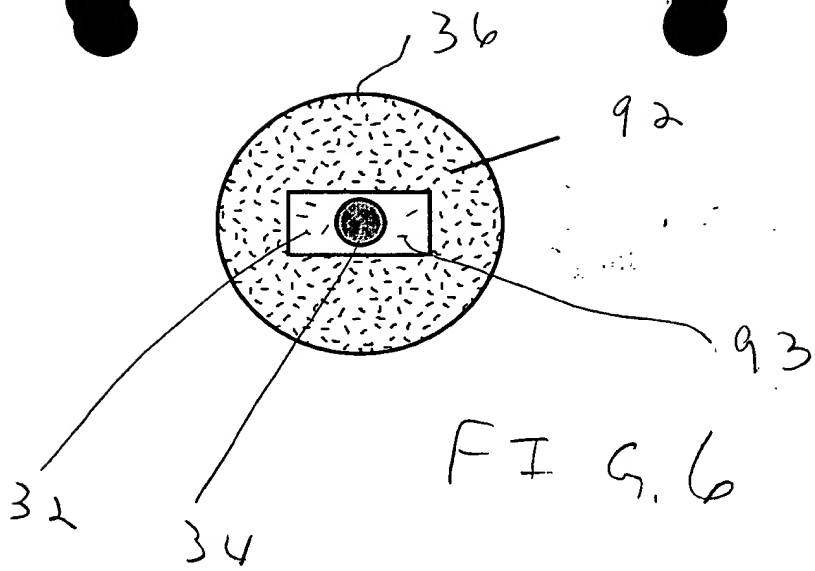
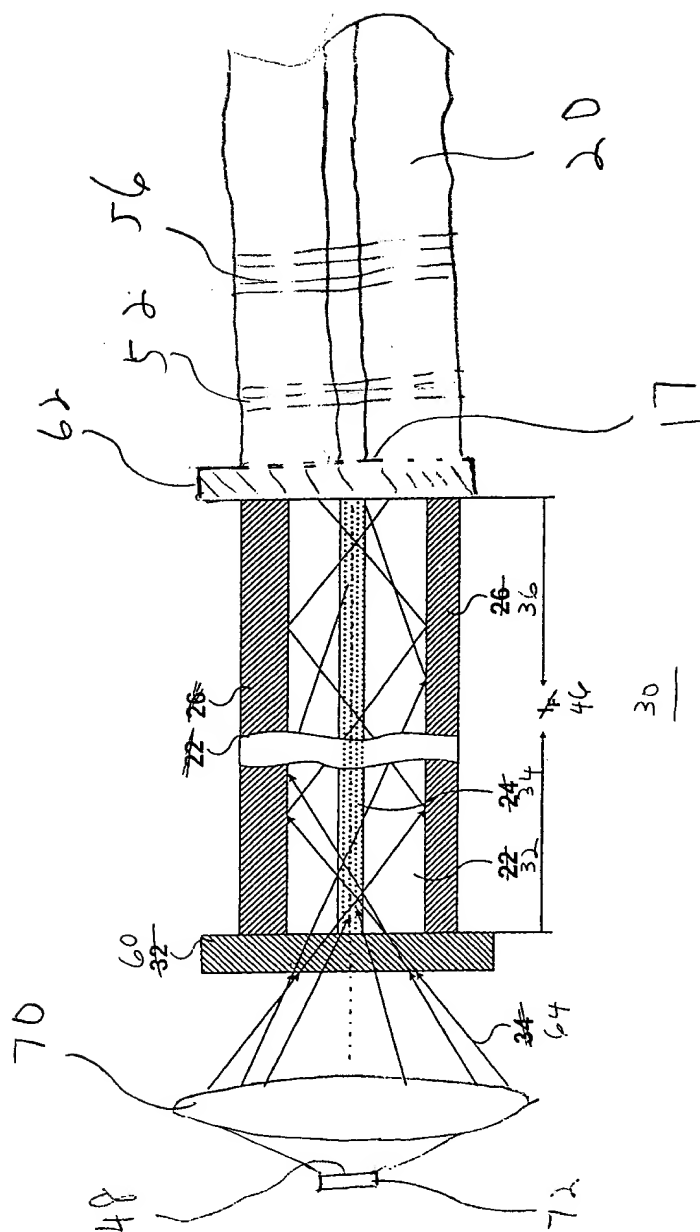


FIG. 5-



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978nm
output power
(mW)

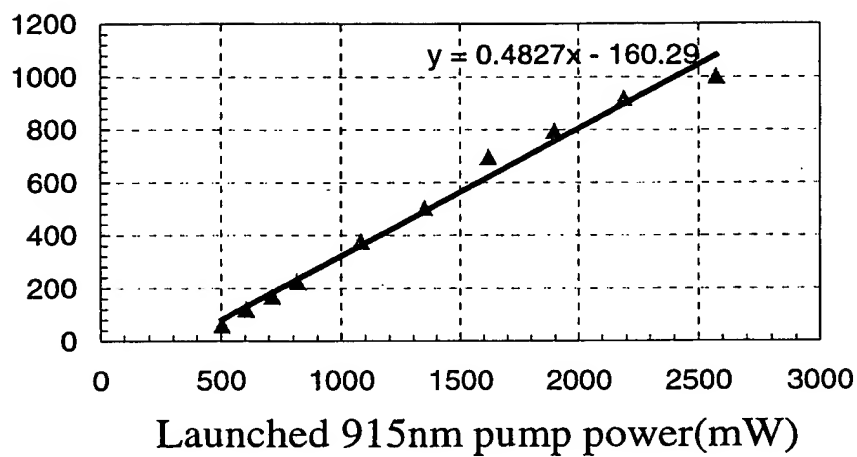


Figure 3. Single-transverse-mode output vs launched pump power with 330mW threshold and 48% slope efficiency

FIG. 8

6
G
L

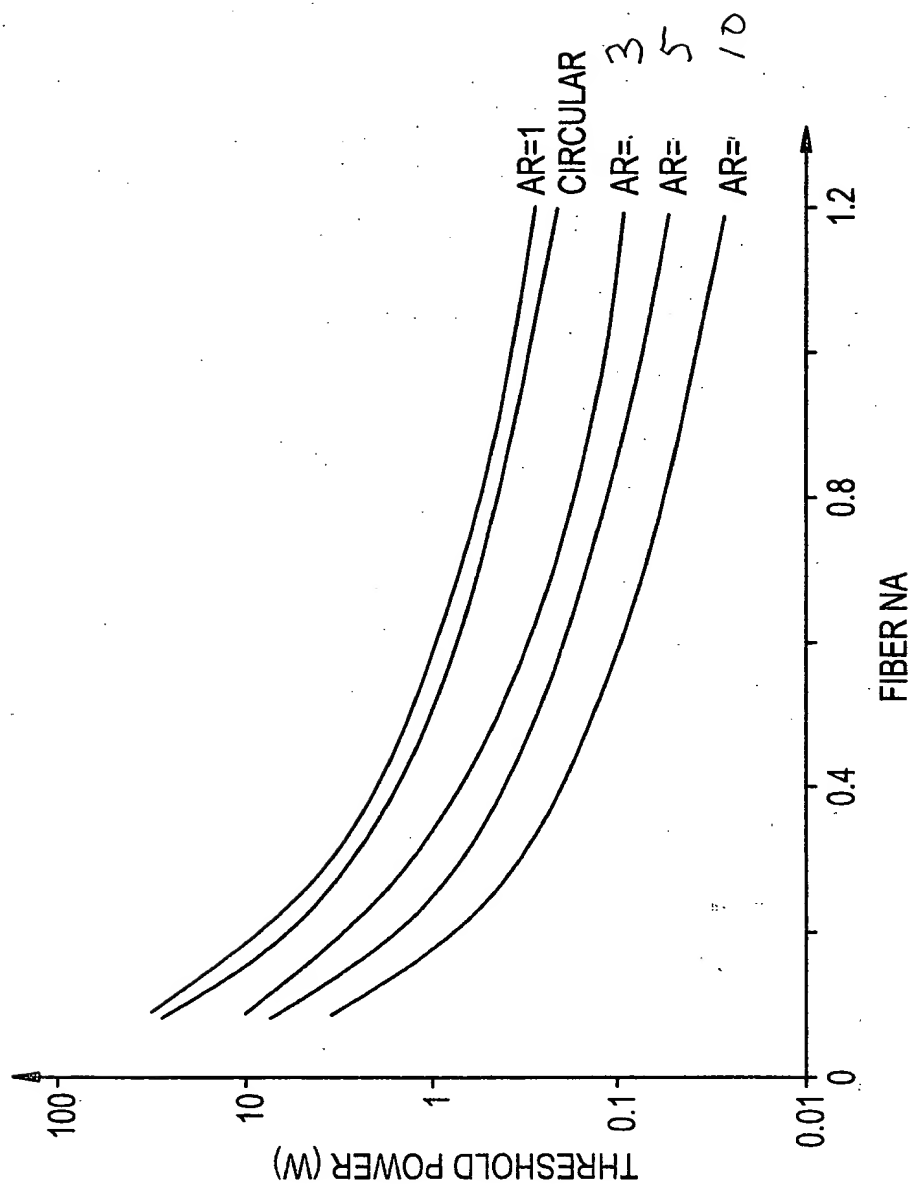


FIG. 15

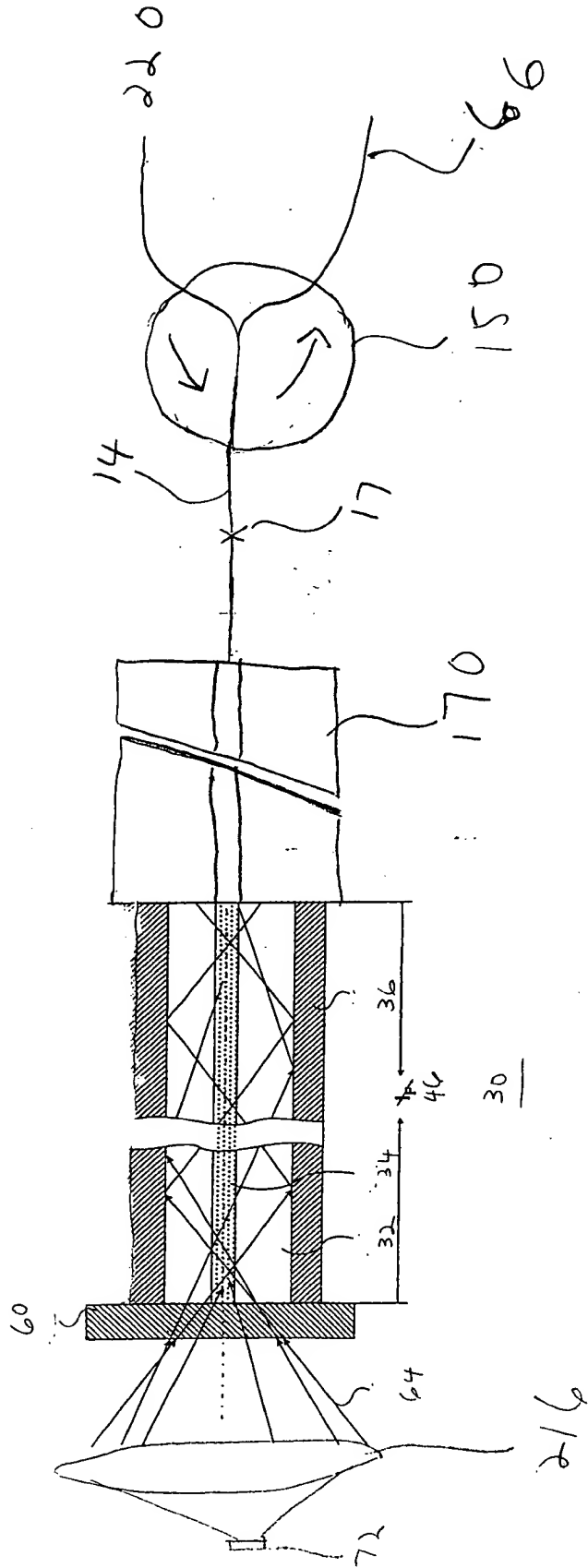


FIG. 15

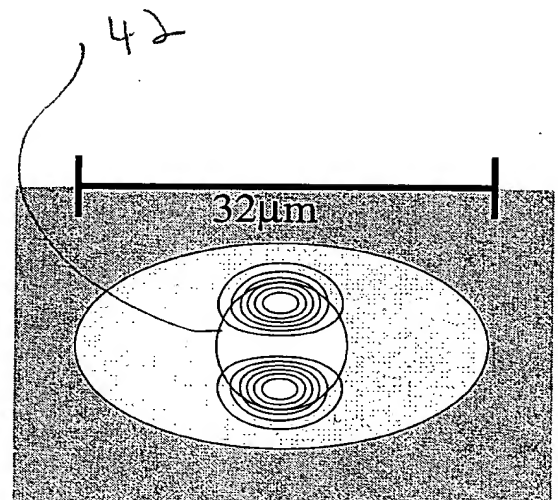
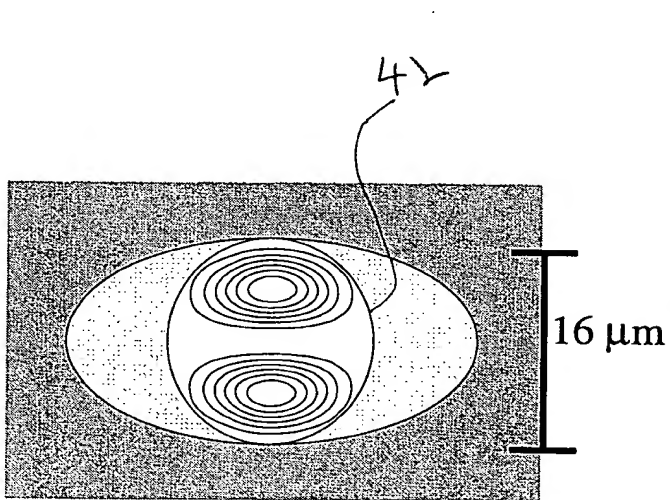


FIG 16 Figure 2. Highest-gain, higher-order mode intensity contours. Core diameter is $D=16\mu\text{m}$ and overlap factor is $\Gamma=96\%$ (left); $D=10\mu\text{m}$ $\Gamma=65\%$ (right) FIG 17